

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IN2005/000010

A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	C07D401/12	C07D409/14	C07D405/14	A61K31/4709	A61K31/4025
A61P29/00					

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 057 336 A (DUAN ET AL) 2 May 2000 (2000-05-02) cited in the application claims column 196 – column 204; table 2 column 204 – column 205; examples 6-92; table 3	1-11
X	US 6 403 632 B1 (DUAN JINGWU ET AL) 11 June 2002 (2002-06-11) column 147 – column 214; tables 1-6	1-11
X	WO 02/04416 A (DUPONT PHARMACEUTICALS COMPANY) 17 January 2002 (2002-01-17) claims page 77 – page 83; tables 1,2	1-11

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

21 June 2005

Date of mailing of the international search report

01/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Kollmannsberger, M

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IN2005/000010

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/082287 A (BRISTOL-MYERS SQUIBB COMPANY; BENEDEK, IRMA, H; FOSSLER, MICHAEL, J) 9 October 2003 (2003-10-09) page 1, line 15 - page 2, line 7	1-11
X	DUAN JAMES J-W ET AL: "Discovery of gamma-lactam hydroxamic acids as selective inhibitors of tumor necrosis factor alpha converting enzyme: design, synthesis, and structure-activity relationships." JOURNAL OF MEDICINAL CHEMISTRY. 7 NOV 2002, vol. 45, no. 23, 7 November 2002 (2002-11-07), pages 4954-4957, XP002332807 ISSN: 0022-2623 tables 1-3	1-11
X	WASSERMAN ZELDA R ET AL: "Identification of a selectivity determinant for inhibition of tumor necrosis factor-alpha converting enzyme by comparative modeling." CHEMISTRY & BIOLOGY. MAR 2003, vol. 10, no. 3, March 2003 (2003-03), pages 215-223, XP002332808 ISSN: 1074-5521 table 1; compound 4C	1-11

## INTERNATIONAL SEARCH REPORT

national application No.  
PCT/IN2005/000010

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  
**Although claims 7 and 8 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.**
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IN2005/000010

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
US 6057336	A 02-05-2000	US 2003134827 A1			17-07-2003
		AT 267805 T			15-06-2004
		AU 747239 B2			09-05-2002
		AU 9686698 A			27-04-1999
		BR 9815398 A			31-10-2000
		CA 2305679 A1			15-04-1999
		CN 1272841 A			08-11-2000
		DE 69824199 D1			01-07-2004
		DE 69824199 T2			27-01-2005
		DK 1027332 T3			04-10-2004
		EE 2000000199 A			16-04-2001
		EP 1027332 A1			16-08-2000
		ES 2217592 T3			01-11-2004
		HR 980533 A1			31-10-1999
		HU 0100186 A2			28-05-2001
		JP 2001519331 T			23-10-2001
		NO 20000783 A			29-05-2000
		NZ 504088 A			28-09-2001
		PL 339738 A1			02-01-2001
		PT 1027332 T			31-08-2004
		SI 1027332 T1			31-10-2004
		SK 4462000 A3			04-06-2002
		TW 541304 B			11-07-2003
		WO 9918074 A1			15-04-1999
		ZA 9808967 A			03-04-2000
US 6403632	B1 11-06-2002	US 2003134827 A1			17-07-2003
WO 0204416	A 17-01-2002	AU 7197901 A			21-01-2002
		CA 2415505 A1			17-01-2002
		EP 1299379 A2			09-04-2003
		WO 0204416 A2			17-01-2002
		US 2002042398 A1			11-04-2002
WO 03082287	A 09-10-2003	AU 2003214231 A1			13-10-2003
		WO 03082287 A1			09-10-2003
		US 2003232079 A1			18-12-2003